Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/08/2020 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123310	-2	2.75	123382	2.73
Blue	F	SSC	125000	123484	-2	2.17	124286	2.19
Blue	E	FITC	15892	15322	-4	2.92	333	22.18
Blue	D	PE	29999	29056	-4	2.12	634	15.66
Blue	B	PerCP-Cy5-5	43732	43334	-1	3.92	1164	21.59
Blue	A	PE-Cy7	30845	30723	-1	6.57	585	43.88
Red	C	APC	46112	45065	-3	2.50	1596	12.07
Red	A	APC-Cy7	30458	29509	-4	2.39	778	12.15
Violet	B	V450	7918	7574	-5	3.99	429	13.22
Violet	A	V500	32171	30756	-5	3.86	720	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16962	14.29	651	30	N/A	N/A	Pass
Blue	F	SSC	56343	1.56	580	21	N/A	N/A	Pass
Blue	E	FITC	61	68.96	551	8	0.0159	129	Pass
Blue	D	PE	132	52.61	557	9	0.1406	261	Pass
Blue	B	PerCP-Cy5-5	213	52.39	666	10	0.0080	41	Pass
Blue	A	PE-Cy7	106	110.70	712	14	0.0095	19	Pass
Red	C	APC	379	25.40	588	4	0.0248	172	Pass
Red	A	APC-Cy7	172	29.45	560	4	0.0055	1111	Pass
Violet	B	V450	66	60.23	461	3	0.0495	2100	Pass
Violet	A	V500	108	32.48	477	3	0.0221	564	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.80	-32.29	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.77	13.60 - 20.40	N/A	N/A	29.50	30.07	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9803

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments